

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
AFC Mercury Spill - Removal Polrep
Initial and Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV

Subject: POLREP #1
Initial/Final POLREP
AFC Mercury Spill

Atlanta, GA
Latitude: 33.7510432 Longitude: -84.3948483

To: Shane Hitchcock, USEPA R4 ERRB

From: Subash Patel, On Scene Coordinator

Date: 12/28/2011

Reporting Period: 12/22/2011 to 12/28/2011

1. Introduction

1.1 Background

Site Number:	Contract Number:
D.O. Number:	Action Memo Date:
Response Authority: CERCLA	Response Type: Emergency
Response Lead: EPA	Incident Category: Removal Action
NPL Status: Non NPL	Operable Unit:
Mobilization Date: 12/22/2011	Start Date: 12/22/2011
Demob Date: 12/23/2011	Completion Date: 12/23/2011
CERCLIS ID:	RCRIS ID:
ERNS No.:	State Notification:
FPN#:	Reimbursable Account #:

1.1.1 Incident Category

Emergency Response

1.1.2 Site Description

An office room in the AFC Building

1.1.2.1 Location

61 Forsyth Street, Atlanta, GA 30303

1.1.2.2 Description of Threat

Mercury beads found in a table in an occupied office room. Room had elevated levels of mercury concentration in the breathing air.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Two mercury beads were found on a table in an occupied office room. The person was asked to leave the room. Security personnel was contacted. The room was then screened with a Lumex mercury vapor analyzer. Mercury concentration found on the table was about 8,000 ng/m3, impacted carpet area was about 2,000 ng/m3, and items on desk that came in contact with mercury beads was about 6,000 ng/m3 to 8,000 ng/m3. Breathing air ranged from 40 ng/m3 to 150 ng/m3. Bob Safay of ATSDR and Glenn Adams of Technical Services Section were informed of findings.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

EPA Phone Duty Officer was notified of potential mercury beads in the office room in the AFC building. Phone Duty Officer followed procedures to notify management and security. Phone Duty Officer then deployed OSC Patel and Berry to assess room. Two mercury beads were found. The person in the room was informed to leave the office till cleanup was complete. Federal Protective Service visited the office and determined further investigative action was not necessary. Cleanup procedures than began.

2.1.2 Response Actions to Date

Ventilation ducts in office and surrounding area were turned off. Caution tape was placed outside of office area to keep people away from area. Mercury beads were collected with tape and placed in plastic bag for disposal. Table was treated with Hg Absorb to reduce mercury concentration. Four tiles of impacted carpet were removed. Ceiling tiles, adjacent offices, chairs, drawers, cabinets, and shelves were screened and no

elevated levels of mercury were present. Items on the table were placed in plastic bags for screening. Non-paperwork items that exceeded 6,000 ng/m3 were disposed of which is consistent with the EPA/ATSDR National Mercury Cleanup Policy. Paperwork that exceeded 6,000 ng/m3 were sent to an off-site location for treatment consisting of heat and vent. These items will be re-screened at a later date for disposal determination.

Shoes and hands of people who did come into office during day were screened. Hallways, men's restroom in surrounding area, and mail room were also screened. All readings were well below Action Level of 3,000 ng/m3.

After cleanup was complete, 6 readings every hour from 8:00 am to 1:00pm were taken. Below is the result in ng/m3.

8:00am

Breathing air: 24
Carpet: 250
Cabinets: 70
Drawers: 30
Chairs: 20
Table: 50
Papers: 30
Mouse/Phone: 30
Keyboard: 30

9:00am

Breathing air: 120

10:00am

Breathing air: 113

11:00am

Breathing air: 68

12:00pm

Breathing air: 53

1:00pm

Adjacent office: 23
Breathing air: 83
Carpet: 298
Cabinets: 37
Drawers: 53
Chairs: 24
Table: 58
Papers: 38
Mouse/Phone: 32
Keyboard: 32

Using generator's knowledge, all items to be disposed were double bagged and disposed and disposed as appropriate.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

GSA and EPA

2.2 Planning Section

2.2.1 Anticipated Activities

None

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

No information available at this time.

4. Personnel On Site

No information available at this time.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.

